

# Converting Colors

$Yxy(56.7821, 0.3328, 0.3607)$

Have a look what the booklet for  
Yxy(56.7821, 0.3328, 0.3607)  
contains.

<b>Yxy(56.7821, 0.3328, 0.3607)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.7821, 0.3328, 0.3607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9C8AE
RGB	201, 200, 174
RGB Percent	79%, 78%, 68%
CMY	0.2116, 0.2157, 0.3176
CMYK	0.00, 0.01, 0.13, 0.21
HSL	58°, 20%, 74%
HSV	58°, 13%, 79%
XYZ	52.3900, 56.7821, 48.2498
YIQ	197.3350, 8.9420, -7.8740

# Conversions

## Conversions Part 2

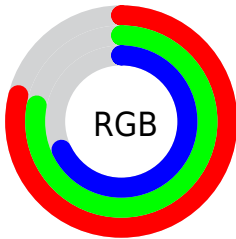
Format	Color
<a href="#">RYB</a>	<a href="#">175, 201, 174</a>
Decimal	<a href="#">13224110</a>
CIELab	<a href="#">80.06, -4.08, 13.14</a>
CIElCh	<a href="#">80, 13.756, 107.252</a>
Yxy	<a href="#">56.7821, 0.3328, 0.3607</a>
Android (android.graphics.Color)	<a href="#">4291414190</a> ( <a href="#">0xFFC9C8AE</a> )
YUV	<a href="#">197.3350, -11.5042, 3.2142</a>
Hunter-Lab	<a href="#">75.3539, -7.7667, 14.7838</a>

# Details

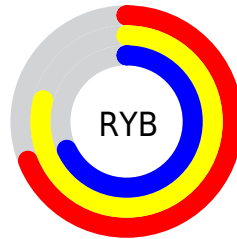
The Yxy color  $56.7821, 0.3328, 0.3607$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $43.9021, 0.2915, 0.2952$ , and the grayscale version is  $56.1194, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.4932, 0.3274, 0.3532$ , and  $28.1660, 0.3377, 0.3683$  is the 20% darker color. If you saturate the color by 10%, you get  $55.6991, 0.3482, 0.3849$ , and if you desaturate by 10%, it is  $57.9892, 0.3177, 0.3370$ .

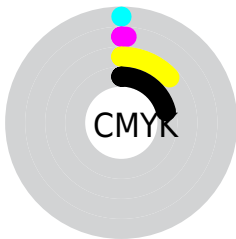
# Distribution



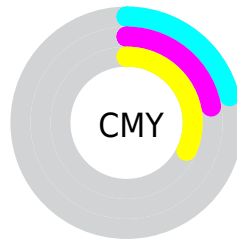
- Red (79%)
- Green (78%)
- Blue (68%)



- Red (69%)
- Yellow (79%)
- Blue (68%)



- Cyan (0%)
- Magenta (1%)
- Yellow (13%)
- Black (21%)




- Cyan (21%)
- Magenta (22%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7821, 0.3328, 0.3607 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 56.7821, 0.3328, 0.3607 by changing the saturation by 10% instead.




 56.7821, 0.3328,  
0.3607

 56.7821, 0.3328,  
0.3607


412.6323, 0.3232,  
0.3452

 40.8303, 0.3351,  
0.3644


 100.1472, 0.3294,  
0.3552

 28.1865, 0.3380,  
0.3692


128.3293, 0.3281,  
0.3531

 18.4663, 0.3417,  
0.3754

161.3569, 0.3270,  
0.3513

 11.2853, 0.3466,  
0.3838

199.6145, 0.3260,  
0.3497

 6.2591, 0.3536,  
0.3959

243.4864, 0.3252,  
0.3484

 3.0032, 0.3639,  
0.4146

293.3571, 0.3244,

 1.1334, 0.4032,

0.3472

0.4740

349.6110, 0.3238,  
0.3462

0.0063, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.7821, 0.3328,  
0.3607

56.7821, 0.3328,  
0.3607

55.6991, 0.3482,  
0.3849

57.9892, 0.3177,  
0.3370

54.7277, 0.3636,  
0.4087

59.3180, 0.3034,  
0.3142

53.8646, 0.3784,  
0.4315

60.7753, 0.2899,  
0.2927

53.1039, 0.3920,  
0.4521

62.3657, 0.2775,  
0.2728

■ 52.4388, 0.4038,  
0.4696

■ 62.7706, 0.2772,  
0.2731

■ 51.8620, 0.4133,  
0.4834

■ 63.1406, 0.2773,  
0.2740

■ 51.3646, 0.4202,  
0.4928

■ 63.5125, 0.2773,  
0.2748

■ 50.9364, 0.4245,  
0.4980

■ 63.8863, 0.2774,  
0.2757

■ 50.6808, 0.4262,  
0.4998

■ 64.2618, 0.2774,  
0.2766

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7821, 0.3449, 0.3550



56.7821, 0.3328, 0.3607



56.7821, 0.3155, 0.3575

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.7821, 0.3328, 0.3607



56.7821, 0.2784, 0.3137



56.7821, 0.3273, 0.3129

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.7821, 0.3328, 0.3607



43.9021, 0.2915, 0.2952

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.7821, 0.3091, 0.3025



56.7821, 0.3328, 0.3607



56.7821, 0.2813, 0.3026

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.7821, 0.3328, 0.3607



56.7821, 0.2844, 0.3296



56.7821, 0.2924, 0.2987



56.7821, 0.3418, 0.3274



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7821, 0.3328, 0.3607



56.7821, 0.3035, 0.3505



56.7821, 0.2924, 0.2987



56.7821, 0.3214, 0.3089

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.7846, 0.3328, 0.3607



99.1091, 0.3187, 0.3384



45.8100, 0.3360, 0.3274



21.1784, 0.3198, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7846, 0.3328, 0.3607



96.6432, 0.3371, 0.3674



55.6505, 0.3228, 0.3630



12.3440, 0.3266, 0.3510



31.8851, 0.4261, 0.4998



1.5321, 0.4246, 0.5011



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.9021, 0.2915, 0.2952



70.5438, 0.2866, 0.2875



44.9576, 0.3016, 0.2949



10.3521, 0.2983, 0.3060



2.7885, 0.1508, 0.0628

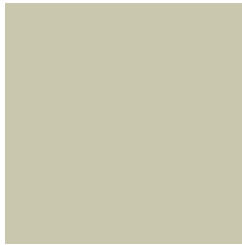


0.1555, 0.1535, 0.0726



# Previews

## White Background



This preview shows how the Yxy color 56.7821, 0.3328, 0.3607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

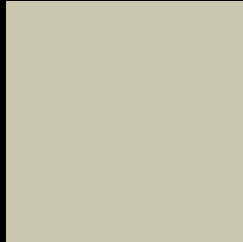
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7821, 0.3328, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

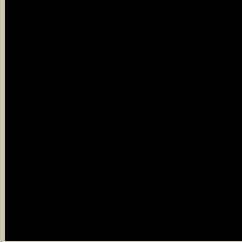
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

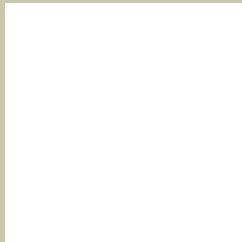
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7821, 0.3328, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7821, 0.3328, 0.3607.



This preview shows how white text looks on a background with the Yxy color 56.7821, 0.3328, 0.3607.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

56.7821, 0.3328, 0.3607

### Protanopia

56.8152, 0.3397, 0.3591

### Deuteranopia

56.5649, 0.3541, 0.3463



## Tritanopia

56.8052, 0.3104, 0.3115

# Trichromacy



## Original Color

56.7821, 0.3328, 0.3607

## Protanomaly

56.8431, 0.3370, 0.3605

## Deuteranomaly

56.4304, 0.3465, 0.3514

## Tritanomaly

56.8011, 0.3183, 0.3290

# Monochromacy



## Original Color

56.7821, 0.3328, 0.3607

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.0681, 0.3193, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7821, 0.3328, 0.3607 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 200, 174)` looks like.

```
.text, #text, p{  
    color:rgb(201, 200, 174)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 200, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 200, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7821, 0.3328, 0.3607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 200, 174) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(201, 200, 174) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(201, 200, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 200, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 200, 174);  
box-shadow:4px 4px 4px 4px rgb(201, 200,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7821, 0.3328, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 200, 174) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
200, 174) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor